Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

- 1-9. (Canceled)
- Czochralski method with pulling a seed crystal from a raw material melt, wherein when a pulling rate of pulling a single crystal is defined as V (mm/min), a temperature gradient at a solid-liquid interface is defined as G (K/mm) and a highest temperature at an interface between a crucible and a raw material melt is defined as Tmax (°C), at least, a range of a value of V/G (mm²/K min) including a desired defect region and/or a desired defect-free region is determined according to the Tmax (°C), and the single crystal is pulled with controlling a value of V/G (mm²/K min) within the determined range.
- 11. (Previously Presented) The method for producing a single crystal according to Claim 10, wherein the single crystal is pulled with controlling the value of V/G (mm²/K min) in a range from -0.000724 x Tmax + 1.31 to less than -0.000724 x Tmax + 1.38.
- 12. (Previously Presented) The method for producing a single crystal according to Claim 10, wherein the single crystal is pulled with controlling the value of V/G (mm²/K min) in a range of -0.000724 x Tmax + 1.38 or more.
- 13. (Previously Presented) The method for producing a single crystal according to Claim 10, wherein the single crystal is pulled with controlling the value of V/G $(mm^2/K \cdot min)$ in a range from $-0.000724 \times Tmax + 1.31$ to $-0.000724 \times Tmax + 1.35$.
- 14. (Previously Presented) The method for producing a single crystal according to Claim 10, wherein the single crystal is pulled with the Tmax (°C) being in a range of 1560 °C or less.

- 15. (Previously Presented) The method for producing a single crystal according to Claim 11, wherein the single crystal is pulled with the Tmax (°C) being in a range of 1560 °C or less.
- 16. (Previously Presented) The method for producing a single crystal according to Claim 12, wherein the single crystal is pulled with the Tmax (°C) being in a range of 1560 °C or less.
- 17. (Previously Presented) The method for producing a single crystal according to Claim 13, wherein the single crystal is pulled with the Tmax (°C) being in a range of 1560 °C or less.
- 18. (Previously Presented) The method for producing a single crystal according to Claim 10, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.
- 19. (Previously Presented) The method for producing a single crystal according to Claim 11, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.
- 20. (Previously Presented) The method for producing a single crystal according to Claim 12, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.
- 21. (Previously Presented) The method for producing a single crystal according to Claim 13, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.

- 22. (Previously Presented) The method for producing a single crystal according to Claim 14, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.
- 23. (Previously Presented) The method for producing a single crystal according to Claim 15, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.
- 24. (Previously Presented) The method for producing a single crystal according to Claim 16, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.
- 25. (Previously Presented) The method for producing a single crystal according to Claim 17, wherein, at least, the Tmax (°C) is changed by providing a heat insulating material between the crucible containing the raw material melt and a heater provided so as to surround the crucible, or by providing a heat insulating material below the crucible.
- 26. (Previously Presented) The method of producing a single crystal according to Claim 10, wherein a silicon single crystal is pulled as the single crystal.
- 27. (Previously Presented) The method of producing a single crystal according to Claim 10, wherein a single crystal with a diameter of 200mm or more is pulled as the single crystal.
 - 28. (Canceled)